

**Commonwealth of Kentucky**  
**Division for Air Quality**  
***PERMIT STATEMENT OF BASIS***

TITLE V PERMIT No. V-03-005  
BEREA COLLEGE  
Rustic Road CPO 2337, BERE A, KENTUCKY  
FEBRUARY 19, 2003  
MATT KING, REVIEWER

PLANT I.D. # 021-151-00006  
APPLICATION LOG # 50703

**SOURCE DESCRIPTION:**

Berea College, located in Madison County, has applied for an operating permit for the operation of Indirect Heat Exchangers and Wood Surface Coating at their campus facilities. The College has two coal-fired boilers rated at 107.7 MMBTU/hr, and 71.8 MMBTU/hr respectively. A 52.4 MMBTU/hr Natural Gas unit is also located on the campus. Additionally, there is a surface coating operation, which applies lacquer and sealer to furniture. This initial source-wide TV permit will supersede the existing operating permit # O-84-142.

**COMMENTS:**

- I.     Type of control and efficiency  
Coal boilers 1 and 2 are equipped with multiple cyclone separators with efficiencies of 92 and 95 respectively. The surface coating operation uses exhaust filters for particulate control.
- II.    Emission factors  
Emission factors were obtained from AP-42 and Material Safety Data Sheets.
- III.   Applicable regulations  
The coal boilers are regulated by 401 KAR 61:015. Regulation 401 KAR 59:015 applies to the natural gas boiler. The surface coating operation is regulated by 401 KAR 59:010.
- IV.    Periodic Monitoring  
The source will monitor fuel usage and surface coating operation throughputs.

**CREDIBLE EVIDENCE:**

This permit contains provisions, which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements.

At the issuance of this permit, Kentucky has not incorporated these provisions in its air quality regulations.